

# cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



WAC  
WAS  
OKCC  
FD'71  
FD'73

## CQ TRW HAMS

There must be many amateur radio operators in the TRW organization spread all over the world. Why not get to know each other via the HAM radio bands through a TRW net, possibly on a weekend morning.

How about a net on 40 meters in both the Eastern and Western parts of the country at 0900 EST, possible followed by a 20 meter net at 10 AM? On 40 meters both sections of the country could have their own ragchews, pass some traffic, or whatever, and later, on the 20 meter net, any local traffic could be passed across the country, or country to country.

In the past few months I have talked to TRW HAMS on 40 and 80 meters, had phone patches run by them, and had some great conversations.

Here in Wilkes-Barre, PA, we have two HAMS: Ed Picchetti, K3RLI, who is deeply into RTTY, and myself - Mike Benish - K3SAE, with a YL. (Mike and Ed are with the Customer Service Division. They work out of Wilkes-Barre, a sublocation of the Harrisburg District.)

The above are just suggestions as to the day, time and frequency. Let's hear from others and see what we can get started. With the Sunspot Cycle approaching its peak in a few years, almost any kind of communications will be possible, so let's get with it and meet each other via the HAM bands.

It is highly possible that a Trw net or group already exists. If so, let's spread the word so we can all join in the fun. Possible some one could compile a list of Hams in TRW. I would be glad to make up the list if you would send me your name, address, call letters, etc.

TRW Customer Service Division  
Mike Benish K3SAE  
38½ Pittston Avenue  
Yatesville, Pittston, PA 18640

TXN Charley Speelman WA6PNZ  
TXN TRW CS&S

### \*\*\* MEETING REMINDER \*\*\*

Always the last Wednesday at noon

Subject: Safari Kenya

Speaker: Al Lee, N6KQI

E2-1200

Let's try to start this net two weeks after this published in CS&S ON LINE on 7240  $\pm$  5KHz, 40 meters at 9:00 am and 10:00 am on 20 meters.

## THE 11-7-78 TRW ARC EXECUTIVE COMMITTEE MEETING

The November 11, 1978 Executive/Staff meeting was called to order at 12:05 PM in room W2-1825 by the president. The following people were present: President Bill Dews, K6AWC, Vice President Mac McGraw, K6RL, Secretary Jim Hill, W6IVW, Treasurer Bill Ivey, W6QET, and Field Day Chairman Al Lee, W6QKI. The following subjects were covered.

### 1. Slate of Officers for 1978

The Nominating Committee Chairman Gary Komatsu is having difficulty finding people interested in being candidates. After some fast talk, some of the Executive Committee attendees (including Gary) agreed to run for some of the positions. Possibilities were mentioned for the remainder, and these people will be contacted.

### 2. Loan Status

The \$438 received from the sale of the club Swan equipment has been given to the credit Union to reduce the balance of the TS-820S loan. Bill Ivey moved and Jim Hill seconded a motion to give the Credit Union an additional \$400 from the club treasury to further reduce the balance. This motion was passed unanimously. The remaining balance is approximately \$50, and will be paid off in monthly payments.

### 3. Membership Renewals

58 members have paid their 1978 dues. Gary recommended that another issue of Crosstalk continue to be sent to the 1977 members who have not paid their 1978 dues as a final reminder. Bill approved the suggestion.

### 4. Annual Dinner Boat Trip

\$286 was collected for the boat trip, and \$272 was spent. The exact amount could not be collected before the trip because somewhat different information was received each time the owner was contacted. Since the remainder was 64¢ a person, Bill Dews recommended that the difference be placed in the club treasury. Attendees who wish a refund may receive it by contacting Bill Ivey, S-365, X53380.

### 5. Updated Constitution

Jim Hill will update the constitution.

### 6. Crosstalk Cutoff Date

The cutoff date for the next edition of Crosstalk is November 16.

### 7. November Meeting

The monthly meeting in November is traditionally a dinner meeting in a restaurant. Since this dinner meeting was at a somewhat controversial place (on a boat) Gary recommended that a regular noon general meeting be scheduled. Mac had not scheduled a speaker, and possible speakers were discussed.

FOR SALE OR TRADE for 2 meter Handitalki, Drake R4 receiver and speaker \$150.  
Heath HW-32 20 meter SSB Transceiver and power supply \$60.

George Lee 52594

FOR SALE

1. YAESU FT 227 Memorizer \$295.00
  2. YAESU 200R Signasizer (2M) \$215.00
  3. MIDLAND 13-509 (220 MHz) w/10 pairs Xtals \$165.00
- All 3 are mint/new condition. Contact Herb W6FQ 531-7189

FOR SALE

Heath HW-101 Lo Band Transceiver  
Includes AC Power Supply and speaker, CW Filter, XLnt Condition, 180 watts  
RF output, price: \$325.00  
Drake 2NT Low Band CW Transmitter  
Like new cond, 100 Watts plus RF output, price: \$60.00  
Bill Schreck, WA6EVS 535-1583, 377-5670

SWAP MEET

The Amateur Equipment Demonstration/Swapmeet held Saturday, October 28, was successful, and its hoped, drew a larger number of buyers and sellers than previous months. This improvement with time agrees with the early history of the Oceanside Swapmeet, which took several months to build up to an optimum level (This per recent telecon with Palomar Arc Members). Our Swapmeet is certainly gaining momentum as more L.A. area Hams get the word.

There were lots of equipment bargains to be had during our Oct. 28, Swapmeet and one such bargain was one picked up by Gary K. (K6HPD). He picked up 16 desk top calculators (new, rejects) for \$5.00. Know RPD, he will have them working and for sale at the Nov. 25 Swapmeet.

Hope to see you all at the next Swap Meet (Sat. Nov. 25)

Bill Schreck, WA6EVS

REDAUNDANT?

One of the Radio Clubs in the area, in looking for a new editor, described the position as most rewarding. They must be stocking his liquor cabinet, nobody in his right mind would describe the editors job as rewarding. The editor receives no help in publishing paper, all inputs must be wrenched from contributors (pulling teeth without NOVACAINE would be easier). All spelling and typing errors are criticized. Late mail delivery is blamed on editor. A "Well done", or "Nice Job" is unheard.

Summation: Anyone who volunteers for position of Editor is not playing with a full deck, and should be kept under observation.

#### NEW TRW PIG CONT.

The TRW/SEA has accepted the club budget, which provides for new club station equipment. This year's SEA funding includes several hundred dollars for this purpose. The Swan equipment should bring another few hundred, so the strain on our cash flow will not be too severe. Yes, we can afford new gear.

After the first cycle of thought on this matter, we turned to the issue of what equipment we should buy for W6TPW. Hams are individualists, when it comes to selection of transceivers; we knew that if we polled 100 members we would get at least 75 different first choices. So an initial sort was made by general category (my apologies if we are slighting anyone's favorite)

Category 1 : The Very Expensive Nameplate all Purpose Rig Collins, Signal One, HY Gain 3750, etc)

Category 2 : Moderate Price, Conventional Design Yaesu FT-101E, Kenwood TS-520C

Category 3 : Advanced Design Special Purpose Ten Tec, Atlas, Icom

Category 4 : Advanced Design, General Purpose, Expensive Kenwood TS-820C, Yaesu FT-901 DM, Drake TR7

The Category 4 rigs appeared to offer the best way to satisfy club station requirements; the executive committee decided to analyze those equipments so a final selection could be made.

The Drake TR-7 appears on paper to offer some very advanced features, the magazine ads are very intriguing. Unfortunately, it was not possible to find one to evaluate in the immediate area, and we were advised that delivery would be tight for several months. There are not enough on the bands to be able to get any opinions on the merits of the TR-7. We reluctantly decided to drop this rig from consideration.

The Kenwood TS-820S and Yaesu FT-901DM are fairly similar in capability. The evaluation table lists the similarities and differences. The major selection factors are summarized as follows (based on one hour hands-on evaluations of both rigs side by side with some antenna, and a lot of phone calls):

#### Kenwood TS-820S Advantages:

- At least \$150 cheaper, with CW Filter, even if we get the FT901DM at the old price
- Has an Aux position for a new band (901 has none)
- Speech monitor for speech compressor adjustment
- Kenwood will provide warranty service in Compton no matter where we buy it. (With Yaesu we must send rig back to dealer no matter where he is, Yaesu service facility is in Paramount).
- There are many satisfied TS-820S users on the air. We have had only favorable reports. (The Yaesu is too new to have much user data available).

## SEA Activity Day



## Amateur Radio Club

*In appreciation of your generous and  
creative contribution to the success of*

## *Activity Day '78*

*On behalf of the employees and the  
company management we thank you*



*David L. Drape*

David L. Drape  
Activity Day Chairman

*George E. Solomon*

George E. Solomon  
General Manager



EXECUTIVE COMMITTEE MEETING CONT.

Al Lee will contact Henry Lowe and see if he would be interested. (If a meeting is scheduled, the announcement will appear elsewhere in Crosstalk).

8. LAAGARC Meeting

Bill News will attend the next LAAGARC Meeting.

TNX Jim Hill W6IVW

FIELD DAY 1978 - Results

November QST almost always features the results of the June Field Day contest. This year, we can't claim to be number one in class 7A but being number two isn't bad. With our 10598 points, we missed first place by slightly over 1200 points. The Penn Wireless Association W3SK must have really worked hard to beat us by that much. They had 500 more contacts.

Interestingly, our score would have put us in third place in class 6A so maybe class 7A is not as competitive and more people can operate. One station operated in class 2JA but still scored only 9380 points.

Where can we improve? Would the 10 watt multiplier help us that much; more OCFW contacts; more novice contacts or better band filters? Think about it and start preparing now for next June.

TNX Al Lee, W6KQI

HAM SWAP MEETS

Every 1st Sunday - Oceanside - 0700 - 1200

Swan Parking lot - Take Highway 5 South to Oceanside - Exit Northeast on Highway 76 to Airport Drive then turn left to Swan parking lot on your left.

Even Months - 3rd Saturday - Santa Fe Springs - 0800 - 1200

Mt. Wilson Repeater Association - Take Highway 5 to Valley View Street then Exit North (La Mirada) on Valley View to Alondra Blvd. Turn left (West) on Alondra and swapmeet is on your left about halfway down street before the La Mirada Drive-in entrance. In parking lot behind some buildings.

Odd Months - 3rd Saturday - San Fernando - 0800 - 1200

Mt Wilson Repeater Association - Take highway 5 North to Osborne Street Exit. Exit NE on Osborne until you come to San Fernando Road. Cross over SF Rd & Railroad tracks then turn left into Whiteman Air Park. Swapmeet is in their lot

Every Last Saturday - Redondo Beach - 0800 - 1100

TRW ARC - Take Highway 405 to Inglewood Avenue and Exit North on Inglewood to Compton then West on Compton to Aviation Blvd. Swapmeet is in TRW Parking Lot on NW corner of Aviation & Compton Blvds.

# TRANSCIVER DATA - TRW/ARC STATION EVALUATION

WEISS - 13 MARCH 78

## Comparison:

Kenwood TS - 820 Best Price Est: \$980 + Tax (List \$1040)  
 YAESU Ft - 901 DM Best Price Est: \$1170 + Tax (List \$1300)

## Trans. Feature

TS - 820 FT 901 DM

## Notes:

Both the Kenwood and Yaesu Transceivers have the following features:

## XMTR Power

200 W Pep 360 W Pep  
 160 W CW 180 W CW

## AM Capability

100 W FSK 80 W FSK  
 No 80 W Dcln

## FM Capability

No 80 W Dcln

## Variable BW IF

No Yes

## Audio Pk.Freq.Contro.

No Yes

## Speech Monitor

Yes No

## Freq. Memory

Yes,Transceive Yes,Trev,Tx,Rx

## Classifier

Yes, Rx Yes,Rx or Tx

## Built In Keyer

No Yes,Curtis Chip

## 10-Sec Tune SW

No Yes

## Front Panel Vox

Yes Yes

## Internal DC-DC P.S. Optional Xtra

Yes Yes

## Avx Posn For New Band One

No No

## CW Filter

Optional Xtra Not needed

•6146A Fineis, Tube Driver, Rest Solid State

THE MOUNT WILSON REPEATER ASST. HOLDS IT SHIP MEET THE THIRD SATURDAY OF EACH MONTH.

TO HELP YOU IN FINDING THE MEET BELOW IS A MAP POINTING THE LOCATION FROM I-5.

THERE IS NO CHARGE FOR EITHER BUYERS OR SELLERS AND FINANCIAL ASSISTANCE AVAILABLE.

STARTING WITH THE NOV MEET WE ARE ATTEMPTING TO HAVE COTILL AND SCOTTS, AND SOFT

DRINKS AVAILABLE FOR PURCHASE, WITH THE PROCEEDS GOING TO THE M.W.R.A.

SO COME, MEET, SELL, VISIT, OR JUST ENJOY. ALSO DON'T FORGET THE M.W.R.A. SHIP MEET ON

SATURDAY NIGHTS AT 7:00-7:30. THE MEET DUES ARE \$17.00 IN 1978-79.

MOUNT WILSON REPEATER ASST.  
 14100 ALONDRA BLVD  
 SANTA FE SPRINGS, CA. 90670



LAACARC Report Nov. 7, 1978

1. Dues are now due. I asked Hill to get a check from Ivey for \$5.00 and mail.
2. 'Survivor assistance' report from each club: I gave my one copy to Wicz or Hill two months ago and have no information back. We will have to work this problem in the coming year.
3. Many of the clubs present were not receiving the 'Common Ground', and wanted to know why? I'd like to get a sign-in sheet going at our Swap meets and see what other clubs are showing up. I handed out a free direction, time, date sheet to everyone at council.
4. The QSL ARRL Bur. report for Sept to Oct. 31  
40K QSL received  
3K Sase received A Great Job  
2.2K Sase mailed
5. Nominations for new club officers in the coming year were filled.
6. J. Holladay: Southwestern Convention will be at the Sheraton Hotel Oct. 20, 21, 1979. W6RE Alexander chairman, Anaheim, Ca.
7. The SCM WB6FRM not present and a couple of the clubs were looking forward to talking to him?
8. The Malibu fire last month: Not much help from the L.A. group, a few repeaters saved the day.
9. Queen Mary: Looks like the old radio room will come alive with Ham radio. The call is W6RO and K6OSC is running the show. Will be needing operators in the coming year. Now you can really be a operator, more later.
10. SC repeater association 2 meter only: Meeting Nov 19th, Sunday 12:00, Martin Rec. Center, Anaheim. Looking for emergency operators from repeater groups on 2 meter. The Malibu fire last month got this one going.

TNX Bill K6AWO

The club would like to thank Bart Earl WA6ZYT for donating two-dinner awards at the Palos Verdes Red Onion.

The membership for TRW/ARC are do October 1.  
This will be the last Crosstalk if you are  
not paid up.



#### Yaesu FT-201 DM Advantages:

- Higher transmitter power: SSB: 360W vs 200 W Pep; CW: 180W vs 160W
- Better receiver cross - modulation control: variable bandwidth IF and audio peak frequency control in addition to the IF shift capability the 820 has
- Needs no separate CW filter
- Has more frequency memory capability
- Has a built-in Curtis Keyer clip
- Has an internal DC-DC power supply

#### Price Data

The Yaesu is about \$150 more expensive than the Kenwood. Both are available from out-of-town dealers; we save sales tax if we go this way.

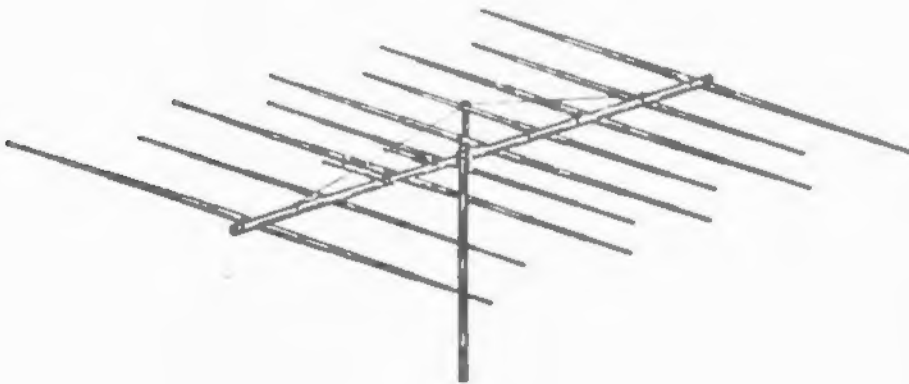
#### Final Decision

The subcommittee recommended the Kenwood TS820S (with CW filter) for purchase for W6TRW. The Kenwood and the Yaesu are both fine radios, but:

- The additional features of the Yaesu are not worth the price difference (to us)
- The Kenwood has an excellent track record; the Yaesu is new and may still have teething troubles.
- In view of the above, the Yaesu warranty service policy (shipping rig back to dealer) is unacceptable. This was probably the strongest factor in making the decision.

The executive committee accepted the recommendation, and voted unanimously to purchase the Kenwood TS-820S. An order has been placed, and next month we'll give you a report on how the new rig works.

TNX Paul Weisz, K6YQ



## S.E.A.

### SEA Offices

It is believed that the Sea Clubs could produce candidates from within its ranks for consideration by the Sea Council Nominating Committee for Sea Council offices for 1979. It may be too involved to accomplish this at this time but should be given serious considerations for next years nominees for the 1980 year.

Note: Names submitted for Sea Council Offices must be approved by a minimum of fifty (50) signatures.

Nominations for the Sea Club coordinator for 1979 is also needed at this time. Ballots to D.S.S.G. employees will be mailed soon.

### Club Constitutions

- The various Sea affiliate Clubs must make sure that the individual club constitution does not conflict with the Sea constitution.

- All changes to the individual club constitution must be submitted to the Sea Club coordinator at the time of submitting the annual report.

*Bill*  
BH1, WA6QET

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